

CONFIDENTIAL

MONDAY AM

CHEMISTRY OF OXYGEN RADICALS

Possible Chairperson: William Chairperson (Baton Rouge)

Speakers:

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|-----------------------|--|
| D. Sawyer (Riverside) | Chemistry and Detection of Oxygen Radicals |
| B. Bielski (Upton) | Chemistry of Superoxide |
| J. Groves (Ann Arbor) | Biochemistry of Oxy-Radicals |
| K. Ingold (Ottawa) | Peroxide Reaction Mechanisms |

MONDAY PM

CHEMISTRY OF OXYGEN RADICALS

Possible chairperson: Chris Foote (Los Angeles)

Speakers:

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|--------------------------|--|
| R.L. Willson (Uxbridge) | Peroxy and other Electrophilic Radicals |
| J. Butler (Manchester) | Pulse Radiolysis |
| M. Thomas (Baton Rouge) | Superoxide and Lipid Peroxides |
| W.H. Koppenol (Evanston) | Thermodynamic Aspects of Oxygen Radicals |

TUESDAY AM

BIOLOGICAL OXIDATIONS

Potential Chairperson: Trevor Slater (Middlesex)

Speakers:

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|-----------------------|---------------------------------|
| O. Hayaishi (Kyoto) | Overview: Biological Oxidations |
| I. Fridovich (Durham) | Overview: Superoxide Dismutase |
| R. Cutler (Baltimore) | Oxidations and Aging |

TUESDAY PM

BIOCHEMISTRY OF OXYGEN RADICALS

Potential Chairpersons: Norman Krinsky (Boston)/Phil Handler (Durham)

Speakers:

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|--------------------------|--|
| D. Borg (Upton) | ESR Studies of Radical Detection |
| H. Esterbauer (Graz) | Products from Lipid Peroxidation |
| P. McCay (Oklahoma City) | Drug Transformations/Spin Trapping |
| W. Lown (Edmonton) | Oxygen Radical Generating Drugs (or in cancer section) |

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WEDNESDAY AM

ANTIOXIDANTS — Possible Chairpersons: A.L. Tappel (Davis)

Speakers:

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|-------------------------------------|-------------------------------|
| A. Quintanilha/L. Packer (Berkeley) | Vitamin E (Biochemical) |
| L. Pauling (Stanford) | Ascorbic Acid |
| B. Ames (Berkeley) | Uric Acid (Biochemical) |
| L. Ernster (Stockholm) | DT Diaphorase |
| D.F. Nathan/Z.A. Cohn (New York) | Antioxidant Defenses in Cells |

WEDNESDAY PM

BIOLOGICAL IMPACTS — PROSTAGLANDIN/INFLAMMATION

Possible Chairpersons: Joe McCord (Mobile)/Steve Aust (East Lansing)

Speakers:

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| N. Porter (Durham) | Prostaglandin Synthesis/Chemistry of Lipid Oxidation |
| M. Carpenter (Oklahoma City) and/or R.W. Estabrook (Dallas) | Microsomal Biochemistry — Prostaglandin Biosynthesis and/or Prostaglandin Involvement of P-450 |
| L. Marnett (Detroit) | Neutrophil Inflammatory Response |
| R. Floyd (Oklahoma City) | Chemical Carcinogenesis |

THURSDAY AM

BIOLOGICAL IMPACTS OF OXYGEN RADICALS — CANCER/AGING

Possible Chairpersons: K.E. Arfors (Stockholm)

Speakers:

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|--------------------------|----------------------------------|
| T. Galleotti (Rome) | Cancer |
| K.D. Munkres (Madison) | Aging |
| G.E. Adams (Sutton) | Radiation Sensitizers for Cancer |
| P.A. Riley (London) | Radicals in Malignant Melanomas |
| L.W. Oberley (Iowa City) | Antioxidants in Tumors |

THURSDAY EVE

SPECIAL LECTURE

Possible Chairpersons: Lester Packer (Berkeley)

Possible Speaker:

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|------------------------------|--|
| Christian de Duve (New York) | Pathways of Hydrogen Peroxide Metabolism and Functions of the Peroxisome |
| Irwin Fridovich (Durham) | Superoxide Dismutase Ramification and Reflections |
| Linus Pauling (Stanford) | Vitamin C |

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FRIDAY AM

BLOOD — Possible Chairpersons: Paul H \ddot{o} chst \ddot{e} in (Los Angeles)

Speakers:

B.M. Babior (Boston)

S.J. Klebanoff (Seattle)

R. Baehner (Indianapolis)

A. Autor (Iowa City)

NADPH Oxidase of Neutrophils: Control of

O₂ Production in Phagocytes

Myeloperoxidase

Vitamin E/Blood

NADPH Oxygen; Oxidoreductase
